

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A computer implemented method executable by a ~~computer~~ computers and embedded in a computer readable ~~medium~~ media for code processing of document data comprising the steps of:

encoding, at a sending side, a document data written in a description language of an extensible text format to a code data containing logical structure of elements, based on a first code-translation table written in a description language of an extensible text format;

transmitting said code data from the sending side to a receiving side; and

decoding, at the receiving side, processing said code data ~~as said to the~~ document data based on said a second code-translation table written in the description language of the extensible text format,

each of said first and second code-translation table ~~tables~~ defining a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name; and an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, ~~and~~ defining a code length and a code assigned to designate parentage structure between one element name and

other element name, and defining link information about other code-translation tables corresponding to extended document structure.

Claim 2 (Currently Amended): The A computer implemented method as claimed in claim 1, wherein ~~said~~ the items defined in said second code-translation table used in said processing decoding step are a subset of ~~said~~ the items defined in said first code-translation table used in said encoding step.

Claim 3 (Currently Amended): The A computer implemented method as claimed in claim 2 1, wherein said encoding step ~~encodes~~ includes encoding only the items that are defined in said first code- translation table or said other code-translation tables, and skipping, without encoding, other items that are not defined in said first code-translation table nor said other code-translation tables.

Claim 4 (Currently Amended): The A computer implemented method as claimed in claim 2, wherein said encoding step includes adding ~~an occupancy data field which indicates a length~~ data indicating lengths occupied by the respective items to the codes corresponding the respective items ~~said item to a code indicating said item, and wherein said processing step decodes from said code data of a position that skips said occupancy data field length of said code, in case that said code is not defined in said translation table and exists in said code data, without processing said code~~

decoding step includes skipping, without decoding, the codes of the lengths corresponding to the items that are not defined in said second code-translation table nor said other code-translation tables.

Claim 5 (Currently Amended): A system for code processing of a document data comprising:

server for ~~sending~~ encoding a document data written in a description language of an extensible text format;

~~encoding server for encoding said received document data to a code data containing logical structure of elements, based on a first code-translation table written in a description language of an extensible text format, and for sending the code data; and~~

first client for processing of said decoding the code data sent from said server to the as said document data based on said a second code-translation table written in the description language of the extensible text format,

~~each of said first and second code-translation table tables being written in a description language of an extensible text format, defining a code length and a code assigned to items of an element name, an variable-declaration data type of an element value of for said element name, an attribute name designated in said element name[[,]] and an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, and defining a code length and a code assigned to designate parentage structure between one element name and other~~

element name, and defining link information about other code-translation tables corresponding to extended document structure.

Claim 6 (Currently Amended): A system as claimed in claim 5, wherein ~~said~~ the items defined in said second code-translation table used by said first client are a subset of ~~said~~ the items defined in said first code-translation table used in said ~~encoding~~ server.

Claim 7 (Currently Amended): A system as claimed in claim 6 5, wherein said ~~encoding~~ server encodes only ~~said~~ the items that are defined in said first code-translation table or said other code-translation tables, and skips, without encoding, other items that are not defined in said first code-translation table nor said other code-translation tables.

Claim 8 (Currently Amended): A system as claimed in claim 6, wherein said ~~encoding~~ server adds ~~an occupancy data which indicates a length~~ data indicating lengths occupied by the respective items to the codes corresponding the respective items ~~said item to a code indicating said item~~, and wherein said client ~~decodes from said code data of a position that skips said occupancy data field length, in case that said code is not defined in said translation table and exists in said code data~~ skips, without decoding, the codes of the lengths corresponding to the items that are not defined in said second code-translation table nor said other code-translation tables.

Claim 9 (Canceled)

Claim 10 (Canceled)

Claim 11 (New): A computer implemented method as claimed in claim 2, wherein said method further comprises a step of decoding, at the receiving side, said code data to the document data based on a third code-translation table written in the description language of the extensible text format, wherein said third code-translation table defines a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name, an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defines a code length and a code assigned to designate parentage structure between one element name and other element name, and defines link information about other code-translation tables corresponding to extended document data, and wherein the items defined in said third code-translation table used in said decoding step are a subset of the items defined in said first code-translation table used in said encoding step and are different from the items defined in said second code-translation table.

Claim 12 (New): A system as claimed in claim 6, wherein said system further comprises second client for decoding the code data to the document data based on a third code-translation table written in the description language of the extensible text format, wherein said third code-translation

table defines a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name, an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defines a code length and a code assigned to designate parentage structure between one element name and other element name, and defines link information about other code-translation tables corresponding to extended document data, and wherein the items defined in said third code-translation table used by said second client are a subset of the items defined in said first code-translation table used by said server and are different from the items defined in said second code-translation table.

Claim 13 (New): A system for code processing of a document data comprising:

server for sending a document data written in a description language of an extensible text format;

translation table server provided with a code-translation table written in a description language of an extensible text format;

encoding server for encoding the document data sent from said server to a code data containing logical structure of elements, based on the code-translation table obtained from said translation table server, and for sending the code data; and

client for decoding the code data sent from said encoding server to the document data based on the code-translation table obtained from said translation table server,

said code-translation table defining a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name and an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defining a code length and a code assigned to designate parentage structure between one element name and other element name, and defining link information about other code-translation tables corresponding to extended document structure.

Claim 14 (New): A system as claimed in claim 13, wherein said encoding server encodes only the items that are defined in said code-translation table or said other code-translation tables, and skips, without decoding, other items that are not defined in said code-translation table nor said other code-translation tables.